

ABSTRACT OF THE DISCLOSURE

An optical apparatus is provided with a zoom optical system. The zoom optical system includes a lens unit located at the most object-side position and a moving lens unit with positive refracting power, located on the image side of the lens unit. The lens unit includes a single positive lens and the moving lens unit is simply moved toward the object side when the magnification of the zoom lens is changed in the range from a wide-angle position to a telephoto position so as to satisfy the following condition:

$$0.8 < y_{07} / (fw \cdot \tan \omega_{07w}) < 0.96$$

where fw is the focal length of the entire system of the zoom lens at the wide-angle position, y_{07} is an image height expressed by $0.7 \times y_{10}$, where y_{10} is a distance from the center to a point farthest therefrom on the effective imaging surface of an electronic image sensor, and ω_{07w} is an angle made by a direction of an object point with an optical axis, where the object point corresponds to an image point that is at the point y_{07} away from the center on the effective imaging surface of the electronic image sensor at the wide angle position.